The following site is being submitted for inclusion into the GIS registry:

- To begin, click on cell to the right of; *This is a:*
- Use Tab, ↓ or Pg Down to navigate form. Print & include with file when completed.

This is a:	New Submittal
BRRTS ID (no dashes):	**0216000122**
Comm # (no dashes):	54880701510 A, B, C, D
County:	Douglas
Region:	Northern
Site Name:	Union Pacific Railroad Itasca Yard
Street Address:	510 54th Ave E
City:	Superior
Final Closure Date:	07/0703
Closure Conditions:	met
Off-source property contamination?	No

(If yes, attach locational data and deed information on pg. 2)

Right-of-way contamination?	No
Contaminated media:	Groundwater and Soil

GPS Coordinates (meters in the **WTM91** projection)

Easting (X):	366238
Northing (Y):	691107
Collection Method:	DNR Web Site
Scale or Resolution:	1:24,000

(1:24,000 scale or finer)

Prepared by:	Alan A. Hopfensperger
Submitted by:	Alan A. Hopfensperger

Source Property Checklist

- ☒ Final Closure Letter
- ☒ The most recent deed including legal descriptions, for all properties within or partially within the contaminated site boundaries w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☒ A certified surveyed map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map
- ☒ Parcel ID for all properties w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☒ General Location Map
- ☒ Detailed Location Map showing property boundaries, buildings, MW(s), soil borings and/or potable wells etc for properties w/ Soil > NR 720 RCL and/or GW > NR 140 ES
- ☒ Latest Map(s) showing extent or outline of current GW and/or Soil contamination plume
- ☒ Latest Table of GW and/or Soil results
- ☒ Map showing GW flow direction
- ☒ A table of the previous 4 water level elevation measurements
- ☐ Geologic cross section (if generated as part of the site investigation)
- ☒ Statement signed by RP certifying correctness of legal descriptions
- ☐ ROW Notification

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TDD #: (608) 264-8777
Fax #: (608) 267-1381
http://www.commerce.state.wi.us
http://www.wisconsin.gov
Jim Doyle, Governor
Cory L. Nettles, Secretary

Wisconsin
Department of Commerce

July 07, 2003

Ed Honig
Union Pacific Railroad Company
1416 Dodge Street Room 930
Omaha, NE 68179

RE: **Final Closure**

Commerce # 54880-7015-10 A-D WDNR BRRTS # 02-16-000122
02-16-184039
02-16-184035
02-16-184044

Union Pacific Railroad Itasca Yard, 510 54th Avenue East, Superior

Dear Mr. Honig:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If applicable, the PECFA claim for this site would also be reopened and you may apply for assistance to the extent of remaining eligibility.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 266-0562.

Sincerely,

Alan A. Hopfensperger

Alan A. Hopfensperger
Hydrogeologist
Site Review Section

cc: Joan Gonalez, Burns & McDonnell
Case File

Recorded: Patent Number 760000----------6-2144 145 pg 585

254979 Itasca Realty Company, et al
to
Chicago, Saint Paul, Minneapolis and Omaha Railway Company

) Warranty Deed
) Filed for record November 23rd, 192o at
) lo o'clock A.M.
) William McDougal, Register of Deeds
)

The Itasca Realty Company, a corporation of the State of Wisconsin, and Joseph Wright and Dorothy Wright, his wife, grantors of Douglas County, Wisconsin, hereby convey and Warrant to the Chicago, Saint Paul, Minneapolis and Omaha Railway Company a corpora-tion of said State, for the sum of Five hundred and fifty ($550.00) dollars the following tract of land in the County of Douglas and State of Wisconsin, to-wit:

All that part of Parcels Nos. Twenty two(22), Twenty five(25), and Twenty six(26 and Quincy Street and Winslow Avenue vacated in Itasca Garden Tracts in the Southeast quarter(SE¼) of the Northwest quarter(NW¼). and the southwest quarter(SW¼) of the Northwest quarter(NW¼) of section four(4), Township forty eight(48) North, Range Thirteen (13) West, according to plat thereof on file in the office of the Register of Deeds in and for said County of Douglas, bounded and described as follows to-wit:

Beginning at the intersection of the north line of Denault Street with the west line of the right of Way of the Chicago, Saint Paul, Minneapolis and Omaha Railway Company; thence northerly along said west line a distance of 518 feet; thence southwesterly in a straight line to a point lo feet distant northerly from the south line of Winslow Avenue, measured along a line drawn parallel with the center line of the main track of the railroad of said Railway Company and 85 feet distant westerly therefrom; thence southerly, parallel with and 85 feet distant from said center line, to said North line of Denault Street; thence east along said north line of Denault Street to place of beginn-ing.

And said Itasca Realty Company, Joseph Wright and Dorothy Wright, his wife, in consideration of said sum of Five hundred and fifty($550.00) dollars, do hereby release and forever discharge the said Railway Company, its successors and assigns from any and all claims of every name and nature for damages to the lands of said grantors, and any and all thereof, arising or growing out of, or to arise or grow out of, the alteration of the channel of Bear Creek and the construction of a new channel for said stream, hereby acknow-ledging said sum to be in full payment, satisfaction and discharge for and of any and all such damages.

In Witness Whereof the said Itasca Realty Company, Joseph Wright and Dorothy Wright, his wife, have duly executed this instrument the day of the date hereof, to-wit: November first, 192o.

B.J.VanVleck
Ole A.Berg
as to Mills & LeClair

Itasca Realty Company
By T.B.Mills,President
Attest:
E.A.LeClair,Secretary.

Itasca Realty Company
Corporate Seal
of Wisconsin

H.H.VanVleck
B.J.VanVleck
as to the Wrights

1-$1.00 Documentary U.S Revenue Stamp Cancelled

Joseph Wright(Seal)
Dorothy Wright(Seal)

State of Wisconsin
County of Douglas
ss

Personally came before me,this 8th day of Nov. 1920 ,the above named T.B.Mills and E.A.LeClair ,President and Secretary ,respectively of the Itasca Realty Company,to me known to be the persons who executed the foregoing instrument,and acknowledged the same for and in behalf of said corporation.

Ole A.Berg
Notary Public,Douglas County,Wisconsin
My commission expires Nov. 29,1922.

Ole A.Berg
Notary Public
Seal
Douglas County
Wis.

State of Wisconsin
County of Douglas
ss

Personally came before me this 10th day of Nov. 1920 the above named Joseph Wright and Dorothy Wright,his wife, to be known to be the persons who executed the foregoing instrument and acknowledged the same.

H.H.VanVleck
Notary Public,Douglas County,Wisconsin.
My commission expires Aug.7th,1921

H.H.VanVleck
Notary Public
Seal
Douglas Co.Wis.

25498o

Itasca Realty Company
to
Chicago,Saint Paul, Minneapolis and Omaha Railway Company

Warranty Deed

Filed for record November 23,1920 at 10 o'clock A.M.

William McDougal,Register of Deeds

The Itasca Realty Company,a corporation of the State of Wisconsin,grantor hereby conveys and warrants to the Chicago,Saint Paul, Minneapolis and Omaha Railway Company,a corporation of said State ,for the sum of four hundred($400.00) dollars the following tract of land in the county of Douglas and State of Wisconsin to-wit:

All that part of Parcel No. Twenty one(21) and Jackson and LeClaire Street vacated in Itasca Garden Tracts in the Southeast quarter(SE¼) of the Northwest quarter(NW¼) and the Southwest quarter(SW¼) of the Northeast quarter(NE¼) of section four(4),Township forty eight(48) North,Range Thirteen(13) West according to the plat thereof on file in the office of the Register of Deeds in and for said County of Douglas,bounded and described as follows, to-wit:

Beginning at the intersection of the north line of Denault Street and the east line of the right of way of the Chicago,Saint Paul,Minneapolis and Omaha Railway Company;thence northerly ,along said east line a distance of 488.83 feet; thence southeasterly in a straight line ,to a point on the south line of LeClaire Avenue,which is 75 feet distant easterly from the center line of the main track of the railroad of said Railway Company,measured at right angles thereto; thence southerly ,parallel with and 75 feet distant from said center line to the north line of said Denault Street ;thence west along said north line of said Denault Street to place of beginning.

And said Itasca Realty Company,in consideration of said sum of four hundred($400.00) dollars ,does hereby release and forever discharge the said Railway Company,its successors and assigns from any and all claims of every name

and nature for damages to the lands of said grantor, and any and all thereto, arising or growing out of, or to arise or grow out of, the alteration of the channel of Bear Creek and the construction of a new channel for said stream, hereby acknowledging said sum to be in full payment, satisfaction and discharge for and of any and all such damages.

In Witness Whereof the said Itasca Realty Company has duly executed this instrument the day of the date hereof, to-wit: November first, 1920.

B.J.VanVleck)
Ole A.Berg)as to Mills & LeClair
)

Itasca Realty Company
Corprate Seal
of Wisconsin

Itasca Realty Company
By T.B.Mills
President

Attest:
By E.A.LeClair, Secretary

State of Wisconsin)
)ss
County of Douglas)

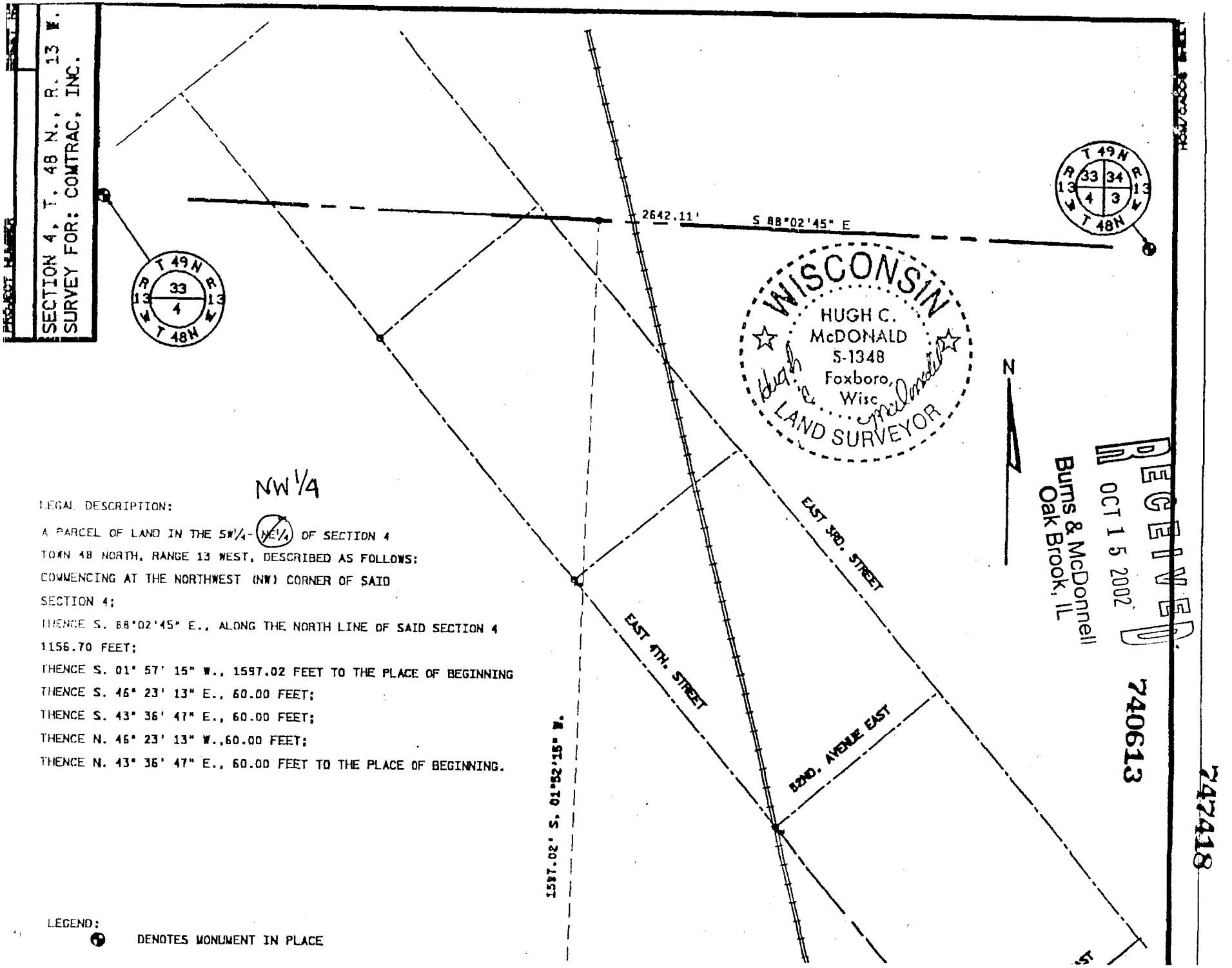
Personally came before me this 8 day of Nov. 1920 the above named T.B.Mills and E.A.LeClair, President and Secretary, respectively of the Itasca Realty Company, to me known to be the persons who executed the foregoing instrument, and acknowledged the same for and in behalf of said corporation.

Ole A.Berg
Notary Public, Douglas County, Wisconsin
My commission expires Nov. 29, 1922

Ole A.Berg
Notary Public
Seal
Douglas County
Wis.

I-50¢
Documentary U.S
revenue Stamp
Cancelled

5496 Estelle Teske, per Gen.Guardian) Deed



LEGAL DESCRIPTION:

A PARCEL OF LAND IN THE SW1/4-(NE1/4) OF SECTION 4 TOWN 48 NORTH, RANGE 13 WEST, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST (NW) CORNER OF SAID SECTION 4;

THENCE S. 88°02'45" E., ALONG THE NORTH LINE OF SAID SECTION 4 1156.70 FEET;

THENCE S. 01° 57' 15" W., 1597.02 FEET TO THE PLACE OF BEGINNING

THENCE S. 46° 23' 13" E., 60.00 FEET;

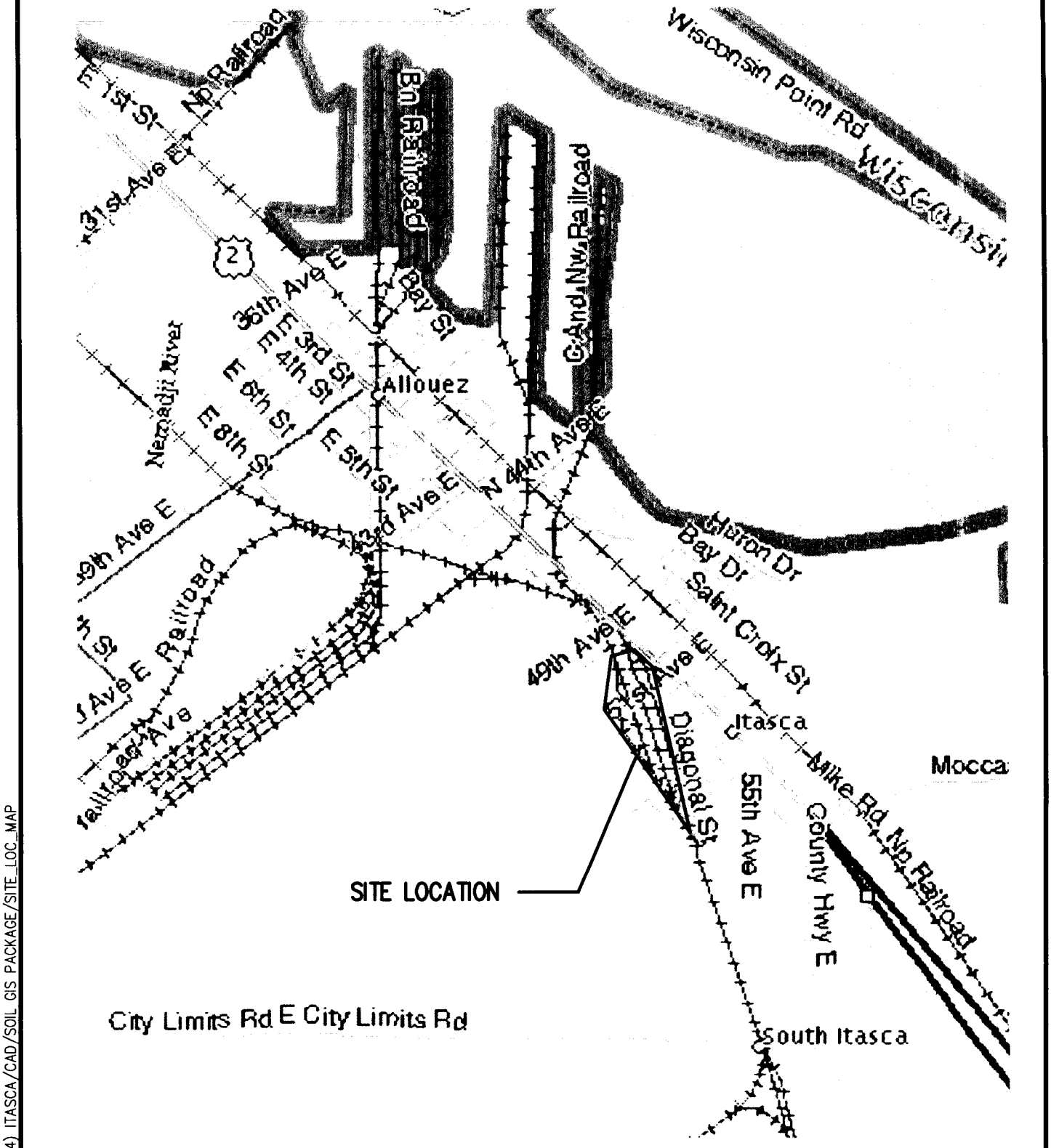
THENCE S. 43° 36' 47" E., 60.00 FEET;

THENCE N. 46° 23' 13" W.,60.00 FEET;

THENCE N. 43° 36' 47" E., 60.00 FEET TO THE PLACE OF BEGINNING.

LEGEND:

⊕ DENOTES MONUMENT IN PLACE

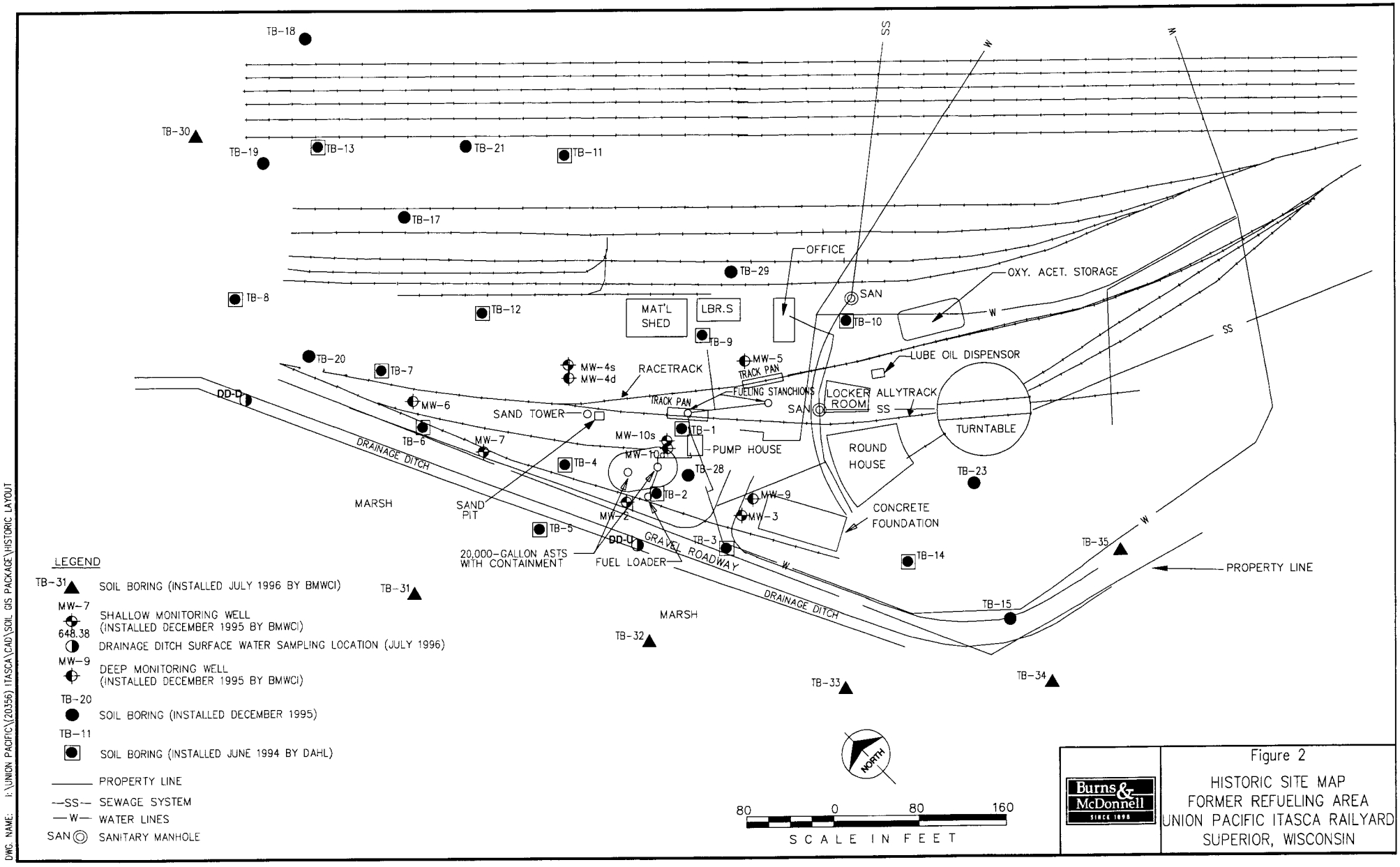


Burns & McDonnell
SINCE 1898

Figure 1

SITE VICINITY MAP
UNION PACIFIC ITASCA RAILYARD
SUPERIOR, WISCONSIN

I:/UNION PACIFIC/(95-618-4) ITASCA/CAD/SOIL GIS PACKAGE/SITE_LOC_MAP

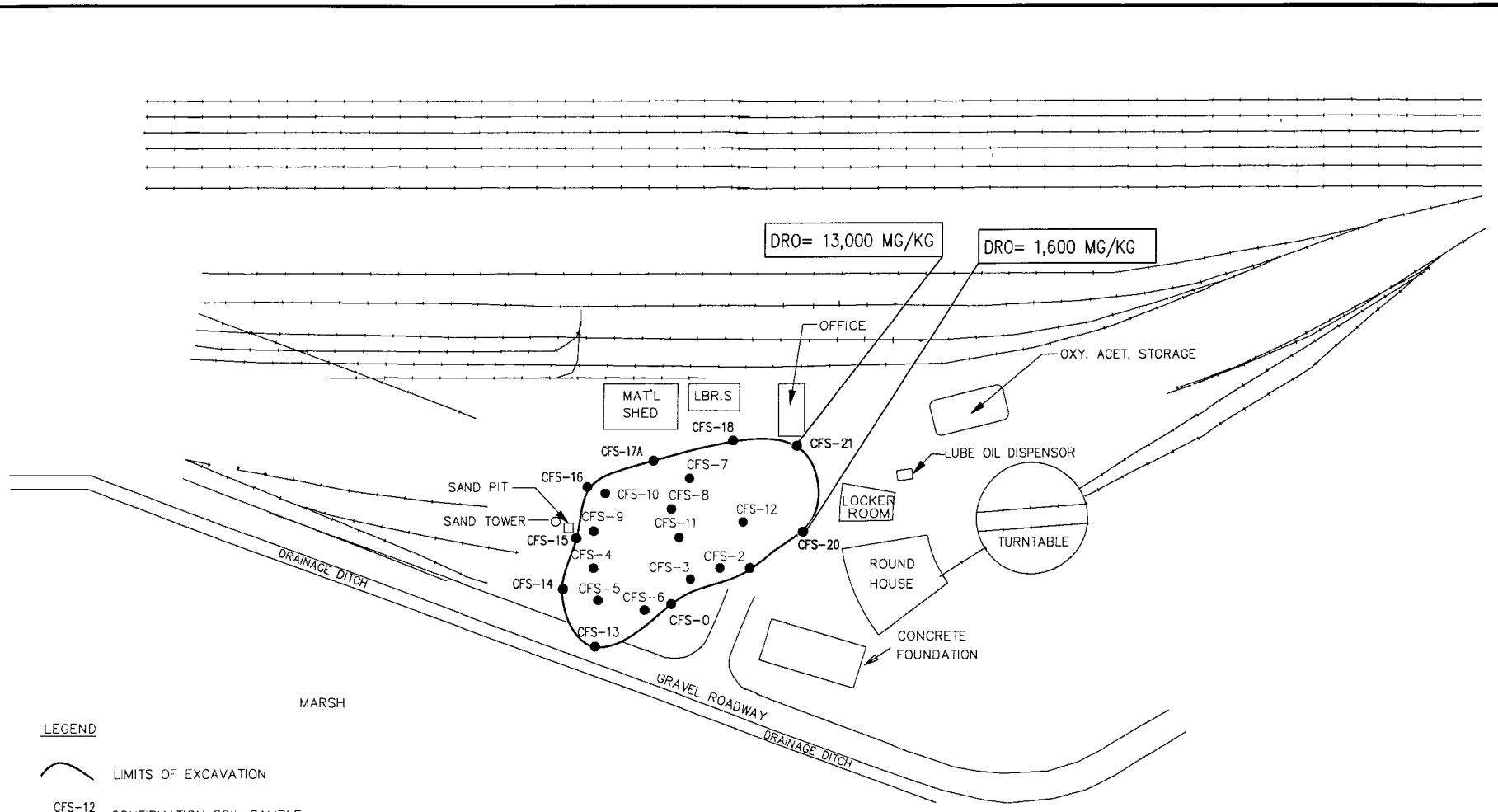


Burns & McDonnell
SINCE 1898

Figure 2

HISTORIC SITE MAP
FORMER REFUELING AREA
UNION PACIFIC ITASCA RAILYARD
SUPERIOR, WISCONSIN

DWG. NAME: I:\UNION PACIFIC\(20356) ITASCA\CAD\SOIL GIS PACKAGE\HISTORIC LAYOUT

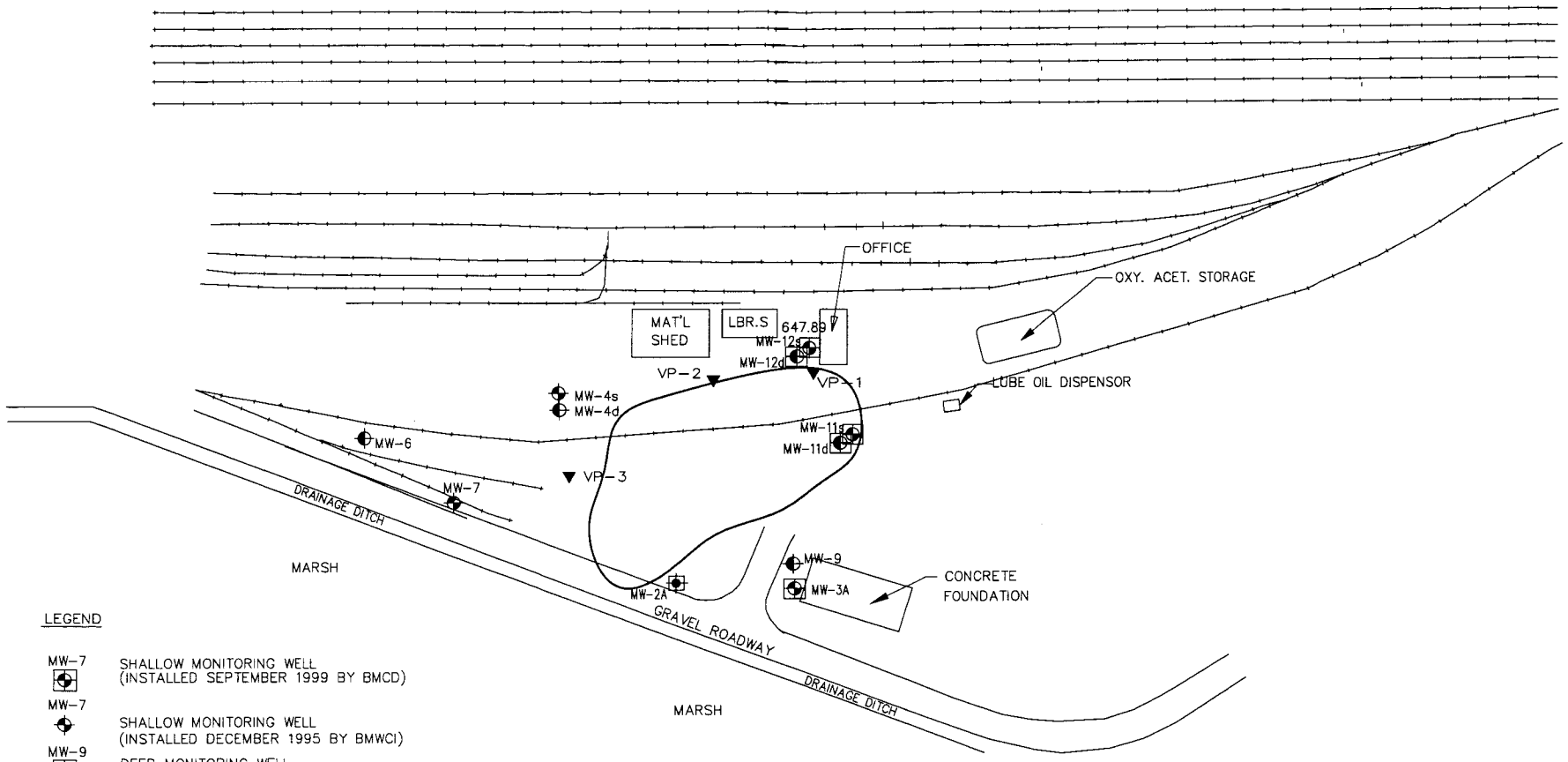


Burns & McDonnell
SINCE 1898

Figure 3

HORIZONTAL EXTENT OF SOIL IMPACTS
UNION PACIFIC ITASCA RAILYAR
SUPERIOR, WISCONSIN

I:/UNION PACIFIC/...ITASCA/CAD/SOIL GIS PACKAGE/EXCEED-1



Burns & McDonnell SINCE 1898

Figure 4

REMAINING GROUNDWATER MONITORING WELLS
UNION PACIFIC ITASCA RAILYARD
SUPERIOR, WISCONSIN

I:/UNION PACIFIC/(95-618-4) ITASCA/CAD/SOIL GIS PACKAGE/REMAINING GW WELLS

Table 1
Groundwater Analytical Results
Union Pacific Itasca Railyard
Superior, Wisconsin

Sample Number:			MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2A	MW-2A
Sample Date:		WDNR	12/18/95	1/25/96	7/17/96	11/07/1996	02/20/1997	05/28/1997	09/03/1998	09/21/1999	10/10/2000
Compound	Units	PAL									
Petroleum Volatile Organic Compounds											
Benzene	µg/L	0.50	14.00		11.6 D	12.70		14.80		<1.0	
Ethylbenzene	µg/L	140.00	26.00		37.1 D	46.80		59.70		<1.0	
Methyl Tertiary Butyl Ether	µg/L	12.00	< 1.0		< 50.0	<10.0		<10.0		<1.0	
Toluene	µg/L	68.60	2.60		< 10.0	1.9 J		1.7 J		<1.0	
1,2,4-Trimethylbenzene	µg/L	96.00	60.00		79.1 D	94.30		99.80		130	
1,3,5-Trimethylbenzene	µg/L	96.00	12.00		29.5 D	35.30		11.20		31	
m,p-Xylene	µg/L	124.00	72.00		63.5 D	82.80		89.30		30	
o-Xylene	µg/L	124.00	5.80		11.8 D	8.0		9.1		4.1	
Xylenes (total)	µg/L	*	--		--	--		--		--	
Petroleum Hydrocarbons											
Diesel Range Organics	mg/L	*	25.00		17.90	21.0		21.4 D		1.6	
Polynuclear Aromatic Hydrocarbon											
Acenaphthylene	µg/L	*	< 1.1		<100	<1.0		<1.00		<2.4	
Acenaphthene	µg/L	*	< 5.0		< 180	<1.80		2.02		2.6	
Anthracene	µg/L	6.00	< 4.0		< 66.0	1.15		<0.660		<2.4	
Benzo(a)anthracene	µg/L	*	< 0.30	Not	< 1.3	<0.130	Not	<0.013	Not	<2.4	Monitoring
Benzo(b)fluoranthene	µg/L	0.02	< 0.14	Sampled	< 1.8	<0.180	Sampled	<0.018	Sampled	<2.4	well
Benzo(k)fluoranthene	µg/L	*	< 0.01		< 1.7	<0.170		<0.017		<2.4	has
Benzo(g,h,i)perylene	µg/L	*	< 0.19	Ground	< 7.6	<0.760	Ground	<0.076	Well	<2.4	been
Benzo(a)pyrene	µg/L	0.02	< 0.10	Water	< 1.12	<0.230	Water	<0.0112	Has	<2.4	Abandoned
Chrysene	µg/L	0.02	< 2.0	Was	< 15	<0.150	Was	<0.15	Been	<2.4	
Dibenzo(a,h)anthracene	µg/L	*	< 0.10	Frozen	< 3.0	<0.300	Frozen	<0.030	Damaged	<2.4	
Fluoranthene	µg/L	80.00	< 0.30		< 21.0	0.72		0.40		<2.4	
Fluorene	µg/L	80.00	13.00		< 21.0	2.87		4.54 D		2.5	
Indeno(1,2,3-cd)pyrene	µg/L	*	< 0.14		< 4.3	<0.43		<0.043		<2.4	
1-Methylnaphthalene	µg/L	*	51.00		37.80	--		37.8 D		--	
2-Methylnaphthalene	µg/L	*	45.00		19.80	--		28.6 D		18	
Naphthalene	µg/L	8.00	45.00		27.90	59.80		42.6 D		51	
Phenanthrene	µg/L	*	< 12		< 64.0	6.58		3.22		<2.4	
Pyrene	µg/L	50.00	< 0.40		< 27.0	1.35		<0.270		<2.4	

µg/L = Micrograms per liter
-- Not analyzed
* = No PAL value available for this analyte.

Table 1 (Continued)
Groundwater Analytical Results
Union Pacific Itasca Railyard
Superior, Wisconsin

	Sample Number:		MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3A	MW-3A
	Sample Date:	WDNR	12/18/95	1/25/96	07/17/1996	11/07/1996	02/20/1997	09/03/1998	09/21/99	10/10/00
Compound	Units	PAL								
Petroleum Volatile Organic Compounds										
Benzene	µg/L	0.50							<1.0	<0.13
Ethylbenzene	µg/L	140.00							<1.0	<0.22
Methyl Tertiary Butyl Ether	µg/L	12.00							<1.0	<0.16
Toluene	µg/L	68.60							<1.0	<0.20
1,2,4-Trimethylbenzene	µg/L	96.00							1.4	<0.22
1,3,5-Trimethylbenzene	µg/L	96.00							<1.0	<0.29
m,p-Xylene	µg/L	124.00							<1.0	--
o-Xylene	µg/L	124.00							1.3	--
Xylenes (total)	µg/L	*							--	<0.23
Petroleum Hydrocarbons										
Diesel Range Organics	mg/L	*							2	3.2
Polynuclear Aromatic Hydrocarbon										
Acenaphthylene	µg/L	*							< 2.8	<0.031
Acenaphthene	µg/L	*							< 2.8	<0.27
Anthracene	µg/L	6.00							< 2.8	<0.019
Benzo(a)anthracene	µg/L	*	Not	Not	Not	Not	Not	Not	< 2.8	<0.022
Benzo(b)fluoranthene	µg/L	0.02	Sampled	Sampled	Sampled	Sampled	Sampled	Sampled	< 2.8	<0.024
Benzo(k)fluoranthene	µg/L	*							< 2.8	<0.018
Benzo(g,h,i)perylene	µg/L	*		Ground	Sheen	Well	Well	Well	< 2.8	<0.045
Benzo(a)pyrene	µg/L	0.02		Water	on	Has	Has	Has	< 2.8	<0.048
Chrysene	µg/L	0.02		Was	Purge	Been	Been	Been	< 2.8	<0.025
Dibenzo(a,h)anthracene	µg/L	*		Frozen	Water	Damaged	Damaged	Damaged	< 2.8	<<0.032
Fluoranthene	µg/L	80.00							< 2.8	<0.035
Fluorene	µg/L	80.00							< 2.8	<0.016
Indeno(1,2,3-cd)pyrene	µg/L	*							< 2.8	<0.098
1-Methylnaphthalene	µg/L	*							--	<0.023
2-Methylnaphthalene	µg/L	*							< 7.0	<0.027
Naphthalene	µg/L	8.00							< 7.0	<0.019
Phenanthrene	µg/L	*							< 2.8	<0.032
Pyrene	µg/L	50.00							< 2.8	<0.044

µg/L = Micrograms per liter
-- = Not analyzed
MW-A* = Duplicate sample of MW-4s

Table 1 (Continued)
Groundwater Analytical Results
Union Pacific Itasca Railyard
Superior, Wisconsin

Sample Number:			MW-4s	MW-4s	MW-4s	MW-4s	MW-4s	MW-4s	MW-4s	MW-4s	MW-4s	MW-4s
Sample Date:		WDNR	12/18/95	1/25/96	7/17/96	07/17/1996	11/07/1996	02/21/1997	05/28/1997	09/03/1998	09/21/1999	10/10/2000
Compound	Units	PAL				(dupl.)						
Petroleum Volatile Organic Compounds												
Benzene	µg/L	0.50	< 1.0		< 2.0	< 2.0	1.1 J		<4.0	2.20	< 1.0	<0.13
Ethylbenzene	µg/L	140.00	< 1.0		1.60	1.70	2.30		2.0 J	1.10	1.4	<0.22
Methyl Tertiary Butyl Ether	µg/L	12.00	< 1.0		< 10.0	< 10.0	< 10.0		<10.0	<1.0	<1.0	<0.16
Toluene	µg/L	68.60	< 1.0		< 2.0	< 2.0	1.3 J		<4.0	<1.0	<1.0	0.26
1,2,4-Trimethylbenzene	µg/L	96.00	9.20		< 2.0	10.40	4.20		6.10	14.0	17	4.5
1,3,5-Trimethylbenzene	µg/L	96.00	< 1.0		10.10	<2.0	2.60		<4.0	<1.0	1.6	0.3
m,p-Xylene	µg/L	124.00	1.40		< 4.0	< 4.0	2.3 J		<4.0	4.0	2.9	--
o-Xylene	µg/L	124.00	1.40		< 2.0	< 2.0	1.4 J		<4.0	2.9	2.3	--
Xylenes (total)	µg/L	*	--		--	--	--		--	--	--	1.60
Petroleum Hydrocarbons												
Diesel Range Organics	mg/L	*	5.70		5.90	5.35	1.75		5.08	--	4.4	3.2
Polynuclear Aromatic Hydrocarbon												
Acenaphthylene	µg/L	*	< 1.1		<10.0	<10.0	<10.0		<1.00	<2.1	<2.3	<2.3
Acenaphthene	µg/L	*	< 5.0		< 18.0	< 18.0	< 18.0		<1.80	3.20	2.7	<0.016
Anthracene	µg/L	6.00	< 4.0		< 6.60	< 6.60	< 6.60		<0.660	<2.1	<2.3	<0.019
Benzo(a)anthracene	µg/L	*	< 0.30	Not	< 0.13	< 0.13	< 0.13	Not	<0.013	<2.1	<2.3	<0.022
Benzo(b)fluoranthene	µg/L	0.02	< 0.14	Sampled	< 0.18	< 0.18	< 0.18	Sampled	<0.018	<2.1	<2.3	<0.024
Benzo(k)fluoranthene	µg/L	*	< 0.01		< 0.17	< 0.17	< 0.17		<0.017	<2.1	<2.3	<0.018
Benzo(g,h,i)perylene	µg/L	*	< 0.19	Ground	< 0.76	< 0.76	< 0.76	Ground	<0.076	<2.1	<2.3	<0.045
Benzo(a)pyrene	µg/L	0.02	< 0.10	Water	< 0.112	< 0.112	< 0.112	Water	<0.0112	<2.1	<2.3	<0.048
Chrysene	µg/L	0.02	< 2.0	Was	< 1.5	< 1.5	< 1.5	Was	<0.15	<2.1	<2.3	<0.025
Dibenzo(a,h)anthracene	µg/L	*	< 0.10	Frozen	< 0.30	< 0.30	< 0.30	Frozen	<0.030	<2.1	<2.3	<0.032
Fluoranthene	µg/L	80.00	< 0.30		< 2.10	< 2.10	< 2.10		<0.210	<2.1	<2.3	<0.24
Fluorene	µg/L	80.00	< 0.10		< 2.10	< 2.10	< 2.10		0.55	<2.1	<2.3	<0.94
Indeno(1,2,3-cd)pyrene	µg/L	*	< 0.14		< 0.43	< 0.43	< 0.43		<0.043	<2.1	<2.3	<0.098
1-Methylnaphthalene	µg/L	*	< 5.0		4.45	3.12	2.07		5.50	--	--	10.00
2-Methylnaphthalene	µg/L	*	< 5.0		0.31	<0.20	<0.20		0.22	<5.2	<5.7	0.50
Naphthalene	µg/L	8.00	1.60		< 1.90	< 1.90	< 1.90		<0.190	<5.2	<5.7	2.40
Phenanthrene	µg/L	*	< 12		< 6.40	< 6.40	< 6.40		<0.640	<2.1	<2.3	<0.24
Pyrene	µg/L	50.00	< 0.40		< 2.70	< 2.70	< 2.70		<0.270	<2.1	<2.3	0.27

µg/L = Micrograms per liter

-- Not analyzed

* = No PAL value available for this analyte.

Table 1 (Continued)
Groundwater Analytical Results
Union Pacific Itasca Railyard
Superior, Wisconsin

Sample Number:			MW-4d	MW-4d	MW-4d	MW-4d	MW-4d	MW-4d	MW-4d	MW-4d	MW-4d	MW-4d
Sample Date:		WDNR	12/18/95	12/18/1995	1/25/96	7/17/96	11/07/1996	02/21/1997	05/28/1997	09/03/1998	09/21/1999	10/10/2000
Compound	Units	PAL		(dupl.)								
Petroleum Volatile Organic Compounds												
Benzene	µg/L	0.50	< 1.0	< 1.0	< 1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0		<0.13
Ethylbenzene	µg/L	140.00	1.0	1.0	< 1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0		<0.22
Methyl Tertiary Butyl Ether	µg/L	12.00	< 1.0	< 1.0	< 1.0	< 10.0	< 10.0	< 10.0	<10.0	<1.0		<0.16
Toluene	µg/L	68.60	2.5	2.5	< 1.0	< 2.0	1.2 J	<2.0	<4.0	<1.0		<0.20
1,2,4-Trimethylbenzene	µg/L	96.00	8.70	8.70	<1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0		<0.22
1,3,5-Trimethylbenzene	µg/L	96.00	1.10	1.10	< 1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0		<0.29
m,p-Xylene	µg/L	124.00	3.70	3.70	< 1.0	< 4.0	< 4.0	< 4.0	<4.0	<1.0		--
o-Xylene	µg/L	124.00	1.90	1.90	< 1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0		--
Xylenes (total)	µg/L	*	--	--	--	--	--	--	--	--		<0.23
Petroleum Hydrocarbons												
Diesel Range Organics	mg/L	*	0.30	0.30	< 0.1	< 0.100	0.18	0.17	0.17	<0.1		<0.10
Polynuclear Aromatic Hydrocarbon												
Acenaphthylene	µg/L	*	< 1.1	< 1.1	< 1.1	<1.00	<1.00	<1.00	<1.00	<2.1		<0.031
Acenaphthene	µg/L	*	< 5.0	< 5.0	< 5.0	< 1.80	<1.80	<1.80	<1.80	<2.1		<0.016
Anthracene	µg/L	6.00	< 4.0	< 4.0	< 4.0	< 0.660	<0.660	<0.660	<0.660	<2.1		<0.019
Benzo(a)anthracene	µg/L	*	< 0.30	< 0.30	< 0.30	< 0.013	0.02	<0.013	<0.013	<2.1	Not	<0.022
Benzo(b)fluoranthene	µg/L	0.02	< 0.14	< 0.14	< 0.14	0.02	<0.018	<0.018	<0.018	<2.1	Sampled	<0.024
Benzo(k)fluoranthene	µg/L	*	< 0.01	0.01	0.02	< 0.017	<0.017	<0.017	<0.017	<2.1		<0.018
Benzo(g,h,i)perylene	µg/L	*	< 0.19	< 0.19	< 0.19	< 0.076	<0.076	<0.076	<0.076	<2.1	No	<0.045
Benzo(a)pyrene	µg/L	0.02	< 0.10	< 0.10	< 0.10	0.03	<0.0112	<0.0112	<0.0112	<2.1	Access	<0.048
Chrysene	µg/L	0.02	< 2.0	< 2.0	< 2.0	< 0.15	<0.15	<0.15	<0.15	<2.1	To	<0.025
Dibenzo(a,h)anthracene	µg/L	*	< 0.10	< 0.10	< 0.10	< 0.030	<0.030	<0.030	<0.030	<2.1	Well	<0.032
Fluoranthene	µg/L	80.00	< 0.30	< 0.30	< 0.30	< 0.210	<0.210	<0.210	<0.210	<5.2		<0.035
Fluorene	µg/L	80.00	0.13	0.13	< 0.10	< 0.210	<0.210	<0.210	<0.210	<2.1		<0.016
Indeno(1,2,3-cd)pyrene	µg/L	*	< 0.14	< 0.14	< 0.14	0.07	<0.043	<0.043	<0.043	<2.1		<0.098
1-Methylnaphthalene	µg/L	*	< 5.0	< 5.0	< 5.0	0.04	<0.030	<0.010	<0.030	--		<0.10
2-Methylnaphthalene	µg/L	*	< 5.0	< 5.0	< 5.0	< 0.020	0.03	<0.020	0.03	<5.2		<0.027
Naphthalene	µg/L	8.00	< 1.3	< 1.3	< 1.3	< 0.190	<0.190	<0.190	<0.190	<5.2		<0.019
Phenanthrene	µg/L	*	< 12	< 12	< 12	< 0.640	<0.640	<0.640	<0.640	<2.1		<0.032
Pyrene	µg/L	50.00	< 0.40	< 0.40	< 0.40	< 0.270	<0.270	<0.270	<0.270	<2.1		<0.044

µg/L = Micrograms per liter

-- = Not analyzed

* = No PAL value available for this analyte.

Table 1 (Continued)
Groundwater Analytical Results
Union Pacific Itasca Railyard
Superior, Wisconsin

Sample Number:			MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-12d	MW-A	MW-12d	MW-A
Sample Date:		WDNR	12/18/95	1/25/96	7/17/96	11/07/1996	02/20/1997	05/28/1997	09/03/1998	09/21/99	09/21/99	10/10/00	10/10/00
Compound	Units	PAL									Dupl.		Dupl.
Petroleum Volatile Organic Compounds													
Benzene	µg/L	0.50		< 1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	<1.0	<0.13	<0.13
Ethylbenzene	µg/L	140.00		< 1.0	< 2.0	1.5 J	< 2.0	<4.0	<1.0	<1.0	<1.0	<0.22	<0.22
Methyl Tertiary Butyl Etl	µg/L	12.00		< 1.0	< 10.0	< 10.0	< 10.0	<10.0	<1.0	<1.0	<1.0	<0.16	<0.16
Toluene	µg/L	68.60		< 1.0	< 2.0	1.4 J	<2.0	<4.0	<1.0	<1.0	<1.0	<0.20	<0.20
1,2,4-Trimethylbenzene	µg/L	96.00		<1.0	< 2.0	1.4 J	< 2.0	<4.0	<1.0	<1.0	<1.0	<0.22	<0.22
1,3,5-Trimethylbenzene	µg/L	96.00		< 1.0	< 2.0	1.2 J	< 2.0	<4.0	<1.0	<1.0	<1.0	<0.29	<0.29
m,p-Xylene	µg/L	124.00		< 1.0	< 4.0	< 4.0	< 4.0	<4.0	<1.0	<1.0	<1.0	--	--
o-Xylene	µg/L	124.00		< 1.0	< 2.0	1.3 J	< 2.0	<4.0	<1.0	<1.0	<1.0	--	--
Xylenes (total)	µg/L	*		--	--	--	--	--	--	--	--	<0.23	<0.23
Petroleum Hydrocarbons													
Diesel Range Organics	mg/L	*		< 0.1	0.48	0.18	0.43	0.37	--	0.34	0.14	<0.10	<0.10
Polynuclear Aromatic Hydrocarbon													
Acenaphthylene	µg/L	*		4.80	<1.00	<1.00	<1.00	<1.00	<2.1	<2.3	<2.5	<0.031	<0.031
Acenaphthene	µg/L	*		< 5.0	<1.80	<1.80	<1.80	<1.80	<2.1	<2.3	<2.5	<0.016	<0.016
Anthracene	µg/L	6.00		< 4.0	< 0.660	<0.660	<0.660	<0.660	<2.1	<2.3	<2.5	<0.019	<0.019
Benzo(a)anthracene	µg/L	*	Not	< 0.30	0.01	<0.013	<0.013	<0.013	<2.1	<2.3	<2.5	<0.022	<0.022
Benzo(b)fluoranthene	µg/L	0.02	Sampled	< 0.14	< 0.018	<0.018	<0.018	<0.018	<2.1	<2.3	<2.5	<0.024	0.11
Benzo(k)fluoranthene	µg/L	*		0.01	< 0.017	<0.017	<0.017	<0.017	<2.1	<2.3	<2.5	<0.018	0.11
Benzo(g,h,i)perylene	µg/L	*	Well	< 0.19	< 0.076	<0.076	<0.076	<0.076	<2.1	<2.3	<2.5	<0.045	0.11
Benzo(a)pyrene	µg/L	0.02	Did	< 0.10	< 0.0112	<0.0112	<0.0112	<0.0112	<2.1	<2.3	<2.5	<0.048	<0.048
Chrysene	µg/L	0.02	Not	< 2.0	< 0.15	<0.15	<0.15	<0.15	<2.1	<2.3	<2.5	<0.025	<0.025
Dibenzo(a,h)anthracene	µg/L	*	Recharge	< 0.10	< 0.030	<0.030	<0.030	<0.030	<2.1	<2.3	<2.5	<0.032	<0.032
Fluoranthene	µg/L	80.00	Sufficiently	< 0.30	< 0.210	<0.210	<0.210	<0.210	<2.1	<2.3	<2.5	0.26	0.15
Fluorene	µg/L	80.00		< 0.10	< 0.210	<0.210	<0.210	<0.210	<2.1	<2.3	<2.5	<0.016	<0.016
Indeno(1,2,3-cd)pyrene	µg/L	*		< 0.14	< 0.043	<0.043	<0.043	<0.043	<2.1	<2.3	<2.5	<0.098	0.10
1-Methylnaphthalene	µg/L	*		< 5.0	0.02	<0.030	<0.010	<0.030	--	--	--	0.30	0.20
2-Methylnaphthalene	µg/L	*		< 5.0	< 0.020	<0.020	<0.020	0.03	<5.2	<5.7	<6.2	0.33	0.19
Naphthalene	µg/L	8.00		< 1.3	< 0.190	<0.190	<0.190	<0.190	<5.2	<5.7	<6.2	0.16	<0.019
Phenanthrene	µg/L	*		< 12	< 0.640	<0.640	<0.640	<0.640	<2.1	<2.3	<2.5	0.18	0.13
Pyrene	µg/L	50.00		< 0.40	< 0.270	<0.270	<0.270	<0.270	<2.1	<2.3	<2.5	<0.044	<0.044

µg/L = Micrograms per liter

-- Not analyzed

* = No PAL value available for this analyte.

Table 1 (Continued)
Groundwater Analytical Results
Union Pacific Itasca Railyard
Superior, Wisconsin

Sample Number:			MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Sample Date:		WDNR	12/18/95	1/25/96	7/17/96	11/07/1996	02/20/1997	05/28/1997	09/03/1998	09/21/1999	10/10/2000
Compound	Units	PAL									
Petroleum Volatile Organic Compounds											
Benzene	µg/L	0.50		< 1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	<0.13
Ethylbenzene	µg/L	140.00		< 1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	<0.22
Methyl Tertiary Butyl Ether	µg/L	12.00		< 1.0	< 10.0	< 10.0	< 10.0	<10.0	<1.0	<1.0	<0.16
Toluene	µg/L	68.60		< 1.0	< 2.0	< 2.0	<2.0	<4.0	<1.0	<1.0	<0.20
1,2,4-Trimethylbenzene	µg/L	96.00		<1.0	< 2.0	1.3 J	< 2.0	<4.0	<1.0	<1.0	<0.22
1,3,5-Trimethylbenzene	µg/L	96.00		< 1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	<0.29
m,p-Xylene	µg/L	124.00		< 1.0	< 4.0	< 4.0	< 4.0	<4.0	<1.0	<1.0	--
o-Xylene	µg/L	124.00		< 1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	--
Xylenes (total)	µg/L	*		--	--	--	--	--	--	--	<0.23
Petroleum Hydrocarbons											
Diesel Range Organics	mg/L	*		< 0.1	0.622	0.36	0.37	0.54	0.1	< 0.1	<0.10
Polynuclear Aromatic Hydrocarbon											
Acenaphthylene	µg/L	*		< 1.1	<1.00	<1.00	<1.00	<1.00	<2.0	<2.2	<0.031
Acenaphthene	µg/L	*		< 5.0	<1.80	<1.80	<1.80	<1.80	<2.0	<2.2	<0.016
Anthracene	µg/L	6.00		< 4.0	<0.660	<0.660	<0.660	<0.660	<2.0	<2.2	<0.019
Benzo(a)anthracene	µg/L	*		< 0.30	<0.013	<0.013	<0.013	<0.013	<2.0	<2.2	<0.022
Benzo(b)fluoranthene	µg/L	0.02		< 0.14	<0.018	<0.018	<0.018	<0.018	<2.0	<2.2	<0.024
Benzo(k)fluoranthene	µg/L	*		< 0.01	<0.017	<0.017	<0.017	<0.017	<2.0	<2.2	<0.018
Benzo(g,h,i)perylene	µg/L	*		< 0.19	<0.076	<0.076	<0.076	<0.076	<2.0	<2.2	<0.045
Benzo(a)pyrene	µg/L	0.02		< 0.10	<0.0112	<0.0112	<0.0112	<0.0112	<2.0	<2.2	<0.048
Chrysene	µg/L	0.02		< 2.0	<0.15	<0.15	<0.15	<0.15	<2.0	<2.2	<0.025
Dibenzo(a,h)anthracene	µg/L	*		< 0.10	<0.030	<0.030	<0.030	<0.030	<2.0	<2.2	<0.032
Fluoranthene	µg/L	80.00		< 0.30	<0.210	<0.210	<0.210	<0.210	<2.0	<2.2	<0.035
Fluorene	µg/L	80.00		< 0.10	<0.210	<0.210	<0.210	<0.210	<2.0	<2.2	<0.016
Indeno(1,2,3-cd)pyrene	µg/L	*		< 0.14	<0.043	<0.043	<0.043	<0.043	<2.0	<2.2	<0.098
1-Methylnaphthalene	µg/L	*		< 5.0	0.02	<0.030	<0.010	<0.030	--	--	<0.023
2-Methylnaphthalene	µg/L	*		< 5.0	<0.020	0.02	<0.020	<0.020	<5.1	<5.6	<0.027
Naphthalene	µg/L	8.00		< 1.3	<0.190	<0.190	<0.190	<0.190	<5.1	<5.6	<0.019
Phenanthrene	µg/L	*		< 12	<0.640	<0.640	<0.640	<0.640	<2.0	<2.2	<0.032
Pyrene	µg/L	50.00		< 0.40	<0.270	<0.270	<0.270	<0.270	<2.0	<2.2	<0.044

µg/L = Micrograms per liter

-- Not analyzed

* = No PAL value available for this analyte.

Table 1 (Continued)
Groundwater Analytical Results
Union Pacific Itasca Railyard
Superior, Wisconsin

Sample Number:			MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-A	MW-7	MW-7	MW-7
Sample Date:		WDNR	12/18/95	1/25/96	7/17/96	11/07/1996	02/20/1997	05/28/1997	05/28/1997	09/03/1998	09/21/1999	10/10/2000
Compound	Units	PAL							Dupl.			
Petroleum Volatile Organic Compounds												
Benzene	µg/L	0.50	< 1.0		< 2.0	< 2.0		<4.0	<4.0	<1.0	<1.0	<0.13
Ethylbenzene	µg/L	140.00	1.40		< 2.0	1.5 J		<4.0	<4.0	<1.0	<1.0	<0.22
Methyl Tertiary Butyl Ether	µg/L	12.00	< 1.0		< 10.0	< 10.0		<10.0	<10.0	<1.0	<1.0	<0.16
Toluene	µg/L	68.60	1.90		< 2.0	1.3 J		<4.0	<4.0	<1.0	<1.0	<0.20
1,2,4-Trimethylbenzene	µg/L	96.00	9.80		1.80	4.20		5.50	3.20	<1.0	3.5	<0.22
1,3,5-Trimethylbenzene	µg/L	96.00	2.0		< 2.0	< 2.0		<4.0	<4.0	<1.0	<1.0	<0.29
m,p-Xylene	µg/L	124.00	3.30		< 4.0	< 4.0		<4.0	<4.0	<1.0	<1.0	--
o-Xylene	µg/L	124.00	1.60		< 2.0	1.4 J		<4.0	<4.0	<1.0	<1.0	--
Xylenes (total)	µg/L	*	--		--	--		--	--	--	--	0.27
Petroleum Hydrocarbons												
Diesel Range Organics	mg/L	*	1.20		1.94	2.40		1.40 D	3.68 D	--	4.9	1.30
Polynuclear Aromatic Hydrocarbon												
Acenaphthylene	µg/L	*	< 1.1		<10.0	<1.0		<1.00	<1.00	<2.1	<2.2	<0.16
Acenaphthene	µg/L	*	< 5.0		< 18.0	<1.80		2.33	2.08	<2.1	2.4	<0.97
Anthracene	µg/L	6.00	< 4.0		< 6.60	<0.660		<0.660	<0.660	<2.1	<2.2	<0.019
Benzo(a)anthracene	µg/L	*	< 0.30	Not	< 0.13	<0.130	Not	0.02	<0.013	<2.1	<2.2	<0.022
Benzo(b)fluoranthene	µg/L	0.02	< 0.14	Sampled	< 0.18	<0.180	Sampled	0.020	<0.018	<2.1	<2.2	<0.024
Benzo(k)fluoranthene	µg/L	*	< 0.01		< 0.17	<0.170		<0.017	<0.017	<2.1	<2.2	<0.018
Benzo(g,h,i)perylene	µg/L	*	< 0.19	Ground	< 0.76	<0.760	Ground	<0.076	<0.076	<2.1	<2.2	<0.045
Benzo(a)pyrene	µg/L	0.02	< 0.10	Water	< 0.112	<0.230	Water	0.01	0.01	<2.1	<2.2	<0.048
Chrysene	µg/L	0.02	< 2.0	Was	< 1.5	<0.150	Was	<0.15	<0.15	<2.1	<2.2	<<0.025
Dibenzo(a,h)anthracene	µg/L	*	< 0.10	Frozen	< 0.30	<0.300	Frozen	<0.030	<0.030	<2.1	<2.2	<0.032
Fluoranthene	µg/L	80.00	< 0.30		< 2.10	<0.21		0.27	0.21	<2.1	<2.2	<0.035
Fluorene	µg/L	80.00	0.14		< 2.10	0.69		4.12	1.78 D	<2.1	<2.2	0.26
Indeno(1,2,3-cd)pyrene	µg/L	*	< 0.14		< 0.43	<0.430		0.06	0.06	<2.1	<2.2	<0.98
1-Methylnaphthalene	µg/L	*	6.40		3.98	--		15.7 D	17.8 D	--	--	<0.13
2-Methylnaphthalene	µg/L	*	< 5.0		0.69	--		1.16 D	0.51	<5.2	<5.6	<0.027
Naphthalene	µg/L	8.00	1.40		< 1.90	<1.00		<0.190	<0.190	<5.2	<5.6	<0.019
Phenanthrene	µg/L	*	< 12		< 6.40	0.600		2.42	0.76	<2.1	<2.2	<0.25
Pyrene	µg/L	50.00	< 13		< 2.70	<0.270		<0.270	<0.270	<2.1	<2.2	<0.044

µg/L = Micrograms per liter

-- Not analyzed

* = No PAL value available for this analyte.

Table 1 (Continued)
Groundwater Analytical Results
Union Pacific Itasca Railyard
Superior, Wisconsin

Sample Number:			MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9	MW-9
Sample Date:		WDNR	12/18/95	1/25/96	7/17/96	11/07/1996	02/20/1997	05/28/1997	09/03/1998	09/21/1999	10/10/2000
Compound	Units	PAL									
Petroleum Volatile Organic Compounds											
Benzene	µg/L	0.50	< 1.0	< 1.0	<2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	<0.13
Ethylbenzene	µg/L	140.00	< 1.0	< 1.0	<2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	<0.22
Methyl Tertiary Butyl Ether	µg/L	12.00	< 1.0	< 1.0	< 10.0	< 10.0	< 10.0	<10.0	<1.0	<1.0	<0.16
Toluene	µg/L	68.60	1.90	< 1.0	< 2.0	1.3 J	1.3 J	<4.0	<1.0	<1.0	<0.20
1,2,4-Trimethylbenzene	µg/L	96.00	6.40	--	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	<0.22
1,3,5-Trimethylbenzene	µg/L	96.00	< 1.0	< 1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	<0.29
m,p-Xylene	µg/L	124.00	3.0	< 1.0	< 4.0	< 4.0	< 4.0	<4.0	<1.0	<1.0	--
o-Xylene	µg/L	124.00	1.70	< 1.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	--
Xylenes (total)	µg/L	*	--	--	--	--	--	--	--	--	<0.23
Petroleum Hydrocarbons											
Diesel Range Organics	mg/L	*	0.20	< 0.1	0.34	0.28	0.330	0.415	<0.1	<0.1	<0.1
Polynuclear Aromatic Hydrocarbon											
Acenaphthylene	µg/L	*	< 1.1	< 1.1	<1.00	<1.00	<1.00	<1.00	<2.0	<2.2	<0.031
Acenaphthene	µg/L	*	< 5.0	< 5.0	<1.80	<1.80	<1.80	<1.80	<2.0	<2.2	<0.016
Anthracene	µg/L	6.00	< 4.0	< 4.0	< 0.660	<0.660	<0.660	<0.660	<2.0	<2.2	<0.019
Benzo(a)anthracene	µg/L	*	< 0.30	< 0.30	< 0.013	<0.013	<0.013	<0.013	<2.0	<2.2	<0.022
Benzo(b)fluoranthene	µg/L	0.02	< 0.14	< 0.14	< 0.013	<0.018	0.020	<0.018	<2.0	<2.2	<0.024
Benzo(k)fluoranthene	µg/L	*	< 0.01	< 0.01	< 0.017	<0.017	<0.017	<0.017	<2.0	<2.2	<0.018
Benzo(g,h,i)perylene	µg/L	*	< 0.19	< 0.19	< 0.076	<0.076	<0.076	<0.076	< 2.0	< 2.2	<0.045
Benzo(a)pyrene	µg/L	0.02	< 0.10	< 0.10	< 0.0112	<0.0112	<0.0112	<0.0112	< 2.0	< 2.2	<0.048
Chrysene	µg/L	0.02	< 2.0	< 2.0	< 0.15	<0.15	<0.15	<0.15	< 2.0	< 2.2	<0.025
Dibenzo(a,h)anthracene	µg/L	*	< 0.10	< 0.10	< 0.030	<0.030	<0.030	<0.030	<2.0	<2.2	<0.032
Fluoranthene	µg/L	80.00	< 0.30	< 0.30	< 0.210	<0.210	<0.210	<0.210	<2.0	<2.2	<0.035
Fluorene	µg/L	80.00	0.14	< 0.10	< 0.210	<0.210	<0.210	<0.210	<2.0	<2.2	<0.016
Indeno(1,2,3-cd)pyrene	µg/L	*	< 0.14	< 0.14	< 0.043	<0.043	<0.043	<0.043	< 2.0	< 2.2	<0.098
1-Methylnaphthalene	µg/L	*	< 5.0	< 5.0	0.01	<0.030	<0.010	<0.030	--	--	<0.023
2-Methylnaphthalene	µg/L	*	< 5.0	< 5.0	< 0.020	<0.020	<0.020	<0.020	< 5.1	< 5.6	<0.027
Naphthalene	µg/L	8.00	1.60	< 1.3	< 0.190	<0.190	<0.190	<0.190	< 5.1	< 5.6	<0.019
Phenanthrene	µg/L	*	< 12	< 12	< 0.640	<0.640	<0.640	<0.640	<2.0	<2.2	<0.032
Pyrene	µg/L	50.00	< 0.40	< 0.40	< 0.270	<0.270	<0.270	<0.270	<2.0	<2.2	<0.044

µg/L = Micrograms per liter

-- Not analyzed

* = No PAL value available for this analyte.

Table 1 (Continued)
Groundwater Analytical Results
Union Pacific Itasca Railyard
Superior, Wisconsin

Sample Number:			MW-10s	MW-10s	MW-10s	MW-10s	MW-10s	MW-10s	MW-10s	MW-11s	MW-11s	MW-10d
Sample Date:		WDNR	12/18/95	1/25/96	7/17/96	11/07/1996	02/20/1997	05/28/1997	09/03/1998	09/21/99	10/10/00	12/18/95
Compound	Units	PAL										
Petroleum Volatile Organic Compounds												
Benzene	µg/L	0.50				1.6 J		1.4 J	<1.0	<1.0	<0.13	< 1.0
Ethylbenzene	µg/L	140.00				8.10		12.50	8.4	<1.0	<0.22	1.70
Methyl Tertiary Butyl Etl	µg/L	12.00				< 10.0		<10.0	<1.0	<1.0	<0.16	< 1.0
Toluene	µg/L	68.60				1.8 J		1.8 J	<1.0	<1.0	<0.20	3.40
1,2,4-Trimethylbenzene	µg/L	96.00				52.20		44.0	34.0	1.9	<0.22	14.00
1,3,5-Trimethylbenzene	µg/L	96.00				56.80		54.0	19	<1.0	<0.29	2.60
m,p-Xylene	µg/L	124.00				13.70		17.80	12	<1.0	--	5.50
o-Xylene	µg/L	124.00				7.10		9.60	3.6	<1.0	--	2.80
Xylenes (total)	µg/L	*				--		--	--	--	<0.23	--
Petroleum Hydrocarbons												
Diesel Range Organics	mg/L	*				18.30		21.7 D	5.3	1.5	2.0	0.40
Polynuclear Aromatic Hydrocarbon												
Acenaphthylene	µg/L	*				<5.0		1.58	< 2.0	<2.4	<0.69	< 1.1
Acenaphthene	µg/L	*				<9.00		9.12	7.2	<2.4	<0.23	< 5.0
Anthracene	µg/L	6.00				3.51		0.77	< 2.0	<2.4	<0.019	< 4.0
Benzo(a)anthracene	µg/L	*	Not	Not	Not	0.690	Not	2.00	<2.0	<2.4	<0.022	< 0.30
Benzo(b)fluoranthene	µg/L	0.02	Sampled	Sampled	Sampled	<0.900	Sampled	0.06	<2.0	<2.4	<0.024	< 0.14
Benzo(k)fluoranthene	µg/L	*				<0.850		0.61	<2.0	<2.4	<0.018	<2.0
Benzo(g,h,i)perylene	µg/L	*	Sheen	Ground	Sheen	<3.80	Ground	<0.076	< 2.0	<2.4	<0.045	< 0.19
Benzo(a)pyrene	µg/L	0.02	On	Water	On	<1.15	Water	0.04	< 2.0	<2.4	<0.048	< 0.10
Chrysene	µg/L	0.02	Purge	Was	Purge	1.36	Was	0.83	< 2.0	<2.4	<0.025	< 2.0
Dibenzo(a,h)anthracene	µg/L	*	Water	Frozen	Water	<1.50	Frozen	<0.030	< 2.0	<2.4	<0.032	< 0.10
Fluoranthene	µg/L	80.00				5.08		4.05	< 2.0	<2.4	<0.035	< 0.30
Fluorene	µg/L	80.00				4.95		1.08	10	<2.4	<0.34	0.27
Indeno(1,2,3-cd)pyrene	µg/L	*				<2.15		<0.043	< 2.0	<2.4	<0.098	< 0.14
1-Methylnaphthalene	µg/L	*				--		2.11	--	--	0.24	< 5.0
2-Methylnaphthalene	µg/L	*				--		1.55	44	<6.0	<0.027	< 5.0
Naphthalene	µg/L	8.00				60.10		<0.190	32	<6.0	<0.019	< 1.3
Phenanthrene	µg/L	*				20.0		1.77	8.0	<2.4	<0.032	< 12
Pyrene	µg/L	50.00				11.60		0.44	< 2.0	<2.4	<0.044	< 0.40

µg/L = Micrograms per liter
-- Not analyzed
* = No PAL value available for this analyte.

Table 1 (Continued)
Groundwater Analytical Results
Union Pacific Itasca Railyard
Superior, Wisconsin

Sample Number:			MW-10d	MW-10d	MW-10d	MW-10d	MW-A	MW-10d	MW-10d	MW-A	MW-11d	MW-11d
Sample Date:		WDNR	1/25/96	7/17/96	11/07/1996	02/20/1997	02/20/1997	05/28/1997	09/03/1998	09/03/1998 (dupl.)	09/21/1999	10/10/2000
Compound	Units	PAL										
Petroleum Volatile Organic Compounds												
Benzene	µg/L	0.50	< 1.0	< 2.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	<1.0	0.23
Ethylbenzene	µg/L	140.00	< 1.0	< 2.0	1.3 J	< 2.0	< 2.0	<4.0	<1.0	<1.0	3.0	0.40
Methyl Tertiary Butyl Ether	µg/L	12.00	< 1.0	< 10.0	< 10.0	< 10.0	< 10.0	<10.0	<1.0	<1.0	<1.0	<0.16
Toluene	µg/L	68.60	< 1.0	< 2.0	1.3 J	<2.0	<2.0	<4.0	<1.0	<1.0	<1.0	<0.20
1,2,4-Trimethylbenzene	µg/L	96.00	<1.0	< 2.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	22	2
1,3,5-Trimethylbenzene	µg/L	96.00	< 1.0	< 2.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	10	<0.29
m,p-Xylene	µg/L	124.00	< 1.0	< 4.0	< 4.0	< 4.0	< 4.0	<4.0	<1.0	<1.0	9.2	--
o-Xylene	µg/L	124.00	< 1.0	< 2.0	< 2.0	< 2.0	< 2.0	<4.0	<1.0	<1.0	1.2	--
Xylenes (total)	µg/L	*	--	--	--	--	--	--	--	--	--	1.10
Petroleum Hydrocarbons												
Diesel Range Organics	mg/L	*	< 0.1	0.16	0.180	0.175	0.181	0.673 D	<0.10	<0.10	13	4.3
Polynuclear Aromatic Hydrocarbon												
Acenaphthylene	µg/L	*	< 1.1	<1.00	<1.00	<1.00	<1.00	<1.00	<2.0	<2.0	9.0	5.20
Acenaphthene	µg/L	*	< 5.0	<1.80	<1.80	<1.80	<1.80	<1.80	<2.0	<2.0	<2.3	<1.9
Anthracene	µg/L	6.00	< 4.0	< 0.660	<0.660	<0.660	<0.660	<0.660	<2.0	<2.0	<2.3	<0.99
Benzo(a)anthracene	µg/L	*	< 0.30	< 0.13	<0.013	<0.013	<0.013	<0.013	<2.0	<2.0	<2.3	<0.22
Benzo(b)fluoranthene	µg/L	0.02	< 0.14	< 0.018	<0.018	<0.018	<0.018	<0.018	<2.0	<2.0	<2.3	<0.024
Benzo(k)fluoranthene	µg/L	*	< 0.01	< 0.017	<0.017	<0.017	<0.017	<0.017	<2.0	<2.0	<2.3	<0.018
Benzo(g,h,i)perylene	µg/L	*	< 0.19	< 0.076	<0.076	<0.076	<0.076	<0.076	<2.0	<2.0	<2.3	<0.045
Benzo(a)pyrene	µg/L	0.02	< 0.10	< 0.0112	<0.0112	<0.0112	<0.0112	<0.0112	<2.0	<2.0	<2.3	<0.048
Chrysene	µg/L	0.02	< 2.0	< 0.15	<0.15	<0.15	<0.15	<0.15	<2.0	<2.0	<2.3	<0.025
Dibenzo(a,h)anthracene	µg/L	*	< 0.10	< 0.030	<0.030	<0.030	<0.030	<0.030	<2.0	<2.0	<2.3	<0.025
Fluoranthene	µg/L	80.00	< 0.30	< 0.210	<0.210	<0.210	<0.210	<0.210	<2.0	<2.0	<2.3	<3.2
Fluorene	µg/L	80.00	< 0.1	< 0.210	<0.210	<0.210	<0.210	<0.210	<2.0	<2.0	9.6	7.70
Indeno(1,2,3-cd)pyrene	µg/L	*	< 0.14	< 0.043	<0.043	<0.043	<0.043	<0.043	<2.0	<2.0	<2.3	<0.098
1-Methylnaphthalene	µg/L	*	< 5.0	0.01	<0.030	<0.010	<0.010	0.05	--	--	--	12.00
2-Methylnaphthalene	µg/L	*	< 5.0	< 0.020	0.03	<0.020	<0.020	0.100	<5.1	<5.1	29	<1.5
Naphthalene	µg/L	8.00	< 1.3	< 0.190	<0.190	<0.190	<0.190	<0.190	<5.1	<5.1	9.1	1.8
Phenanthrene	µg/L	*	< 12	< 0.640	<0.640	<0.640	<0.640	<0.640	<2.0	<2.0	8.0	<8.1
Pyrene	µg/L	50.00	< 0.40	< 0.270	<0.270	<0.270	<0.270	<0.270	<2.0	<2.0	<2.3	<15

µg/L = Micrograms per liter
-- Not analyzed
* = No PAL value available for this analyte.

Table 1 (Continued)
Groundwater Analytical Results
Union Pacific Itasca Railyard
Superior, Wisconsin

	Sample Number:		MW-12s	MW-12s
	Sample Date:	WDNR	09/21/1999	10/10/00
Compound	Units	PAL		
Petroleum Volatile Organic Compounds				
Benzene	µg/L	0.50	<1.0	0.22
Ethylbenzene	µg/L	140.00	<1.0	1.30
Methyl Tertiary Butyl Ether	µg/L	12.00	<1.0	<0.16
Toluene	µg/L	68.60	<1.0	<0.20
1,2,4-Trimethylbenzene	µg/L	96.00	6.0	0
1,3,5-Trimethylbenzene	µg/L	96.00	4.2	<0.29
m,p-Xylene	µg/L	124.00	<1.0	--
o-Xylene	µg/L	124.00	1.2	--
Xylenes (total)	µg/L	*	--	0.45
Petroleum Hydrocarbons				
Diesel Range Organics	mg/L	*	5.6	2.7
Polynuclear Aromatic Hydrocarbon				
Acenaphthylene	µg/L	*		
Acenaphthene	µg/L	*		
Anthracene	µg/L	6.00		
Benzo(a)anthracene	µg/L	*		
Benzo(b)fluoranthene	µg/L	0.02		
Benzo(k)fluoranthene	µg/L	*		
Benzo(g,h,i)perylene	µg/L	*	Well	
Benzo(a)pyrene	µg/L	0.02	Did	
Chrysene	µg/L	0.02	Not	
Dibenzo(a,h)anthracene	µg/L	*	Recharge	
Fluoranthene	µg/L	80.00	Sufficiently	
Fluorene	µg/L	80.00		
Indeno(1,2,3-cd)pyrene	µg/L	*		
1-Methylnaphthalene	µg/L	*		
2-Methylnaphthalene	µg/L	*		
Naphthalene	µg/L	8.00		
Phenanthrene	µg/L	*		
Pyrene	µg/L	50.00		

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µg/L = Micrograms per liter

-- Not analyzed

* = No PAL value available for this analyte.

Table 2
Confirmation Soil Samples
Union Pacific Itasca Yard
Superior, Wisconsin

	Sample Number:	CFS-0	CFS-2	CFS-3	CFS-4	CFS-5	CFS-6	CFS-7	CFS-8	CFS-9	CFS-10
	Sample Date:	07/28/99	07/20/99	07/22/99	07/22/99	07/22/99	07/22/99	07/22/99	07/22/99	07/23/99	07/23/99
	Sample Depth (bgs):	3.0-3.5 ft	4.0-4.5 ft	3.0-3.5 ft	5.0-5.5 ft	5.0-5.5 ft	4.0-4.5 ft	6.0-7.0 ft	5.0-5.5 ft	5.5-6.0 ft	6.0-6.5 ft
Compound	Units										
Petroleum Hydrocarbons											
Diesel Range Organics	mg/kg	<10	<11	<10	84	1100	<10	<10	<10	<10	<10
Polynuclear Aromatic Hydrocarbon											
Acenaphthylene	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
Acenaphthene	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
Anthracene	mg/kg	NA	<0.067	<0.065	<0.066	0.16	<0.066	<0.066	<0.066	<0.066J	<0.065
Benzo(a)anthracene	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
Benzo(b)fluoranthene	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
Benzo(k)fluoranthene	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
Benzo(g,h,i)perylene	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
Benzo(a)pyrene	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
Chrysene	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
Dibenzo(a,h)anthracene	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
Dibenzofuran	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
Fluoranthene	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
Fluorene	mg/kg	NA	<0.067	<0.065	<0.066	0.88	<0.066	<0.066	<0.066	<0.066J	<0.065
Indeno(1,2,3-cd)pyrene	mg/kg	NA	<0.067	<0.065	<0.066	<0.066	<0.066	<0.066	<0.066	<0.066J	<0.065
2-Methylnaphthalene	mg/kg	NA	<0.067	<0.065	<0.066	5.1	<0.066	<0.066	<0.066	<0.066J	<0.065
Naphthalene	mg/kg	NA	<0.067	<0.065	<0.066	0.82	<0.066	<0.066	<0.066	<0.066J	<0.065
Phenanthrene	mg/kg	NA	0.08	0.08	0.10	2.0	<0.066	<0.066	<0.066	<0.066J	<0.065
Pyrene	mg/kg	NA	<0.067	<0.065	<0.066	0.18	<0.066	<0.066	<0.066	<0.066J	<0.065
Volatile Organic Compounds											
Benzene	mg/kg	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05J	<0.05
Ethylbenzene	mg/kg	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05J	<0.05
Methyl Tertiary Butyl Ether	mg/kg	NA	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10J	<0.10
Toluene	mg/kg	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05J	<0.05
1,2,4-Trimethylbenzene	mg/kg	NA	<0.10	<0.10	<0.10	1.2	<0.10	<0.10	<0.10	<0.10J	<0.10
1,3,5-Trimethylbenzene	mg/kg	NA	<0.10	<0.10	<0.10	0.90	<0.10	<0.10	<0.10	<0.10J	<0.10
m,p-Xylene	mg/kg	NA	<0.05	<0.05	<0.05	0.20	<0.05	<0.05	<0.05	<0.05J	<0.05
o-Xylene	mg/kg	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05J	<0.05

NOTES:
mg/kg = Milligram per kilogram
J : Estimated
NA = Not Analyzed
Shaded values exceed 1,000 mg/kg of DRO concentrations

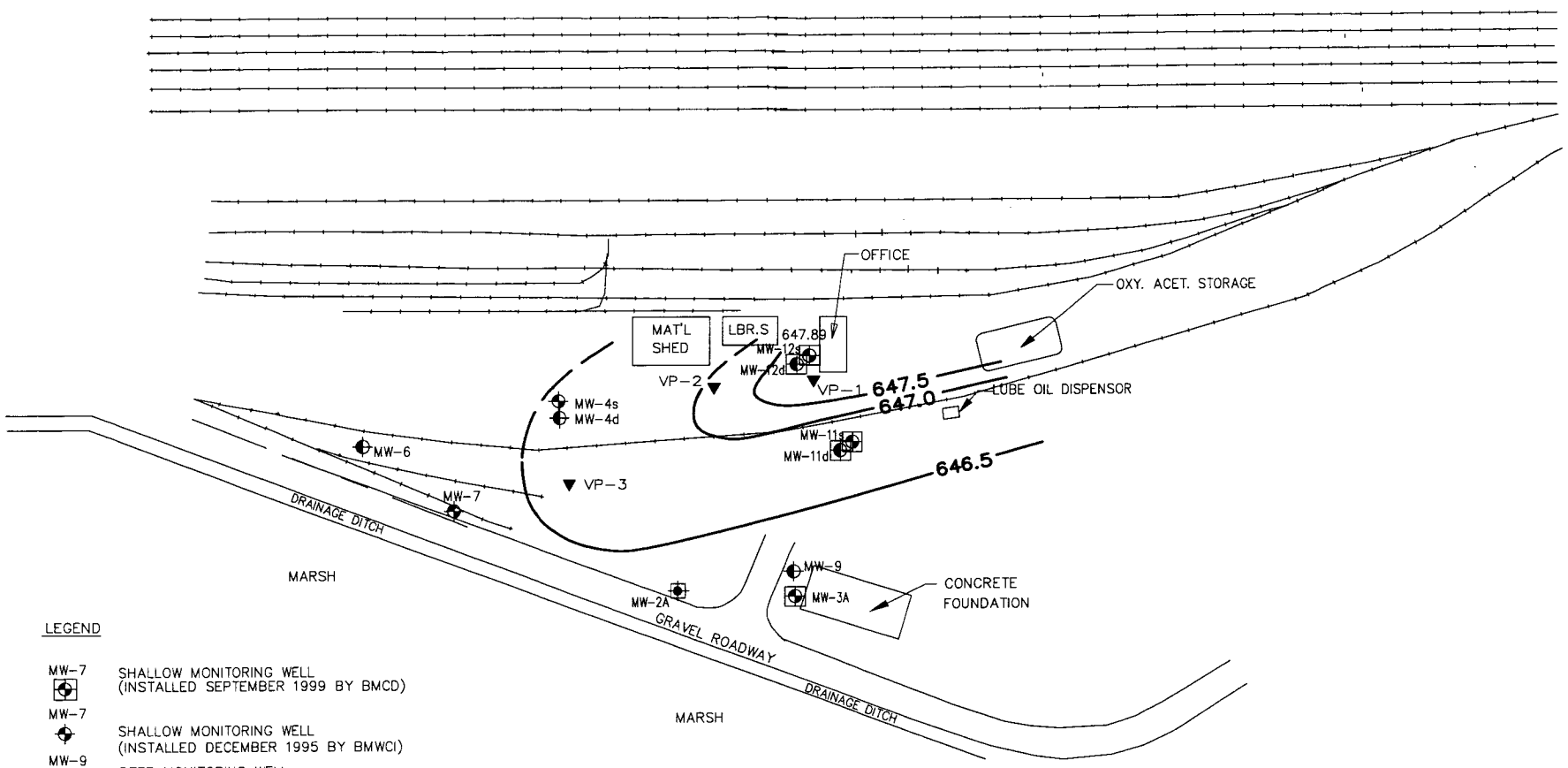
Table 2 (continued)
Confirmation Soil Samples
Union Pacific Itasca Yard
Superior, Wisconsin

	Sample Number:	CFS-11	CFS-12	CFS-13	CFS-14	CFS-15	CFS-16	CFS-17	CFS-17a	CFS-18	CFS-19
	Sample Date:	07/26/99	07/27/99	07/28/99	07/28/99	07/28/99	07/28/99	07/28/99	08/04/99	07/28/99	07/28/99
	Sample Depth (bgs):	7.0-7.5 ft	3.0-3.5 ft	2.0-2.5 ft	2.5-3.0 ft	3.0-4.0 ft	4.5-5.5 ft	4.5-5.5 ft	3.0-3.5 ft	5.5-6.0 ft	3.0-3.5 ft
Compound	Units										
Petroleum Hydrocarbons											
Diesel Range Organics	mg/kg	<10	1700	<10	<10	900	90	56000	91	21	100
Polynuclear Aromatic Hydrocarbon											
Acenaphthylene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	<0.064	NA	<0.066	<0.064	<0.066
Acenaphthene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	0.24	NA	<0.066	0.21	<0.066
Anthracene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	0.59	NA	<0.066	<0.064	<0.066
Benzo(a)anthracene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	1.1	NA	<0.066	<0.064	<0.066
Benzo(b)fluoranthene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	1.3	NA	<0.066	<0.064	<0.066
Benzo(k)fluoranthene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	0.46	NA	<0.066	<0.064	<0.066
Benzo(g,h,i)perylene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	0.22	NA	<0.066	<0.064	<0.066
Benzo(a)pyrene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	0.90	NA	<0.066	<0.064	<0.066
Chrysene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	1.2	NA	<0.066	<0.064	<0.066
Dibenzo(a,h)anthracene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	<0.064	NA	<0.066	<0.064	<0.066
Dibenzofuran	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	0.59	NA	<0.066	0.37	<0.066
Fluoranthene	mg/kg	<0.067	NA	<0.064	<0.065	0.15	2.3	NA	<0.066	<0.064	<0.066
Fluorene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	0.43	NA	<0.066	0.44	<0.066
Indeno(1,2,3-cd)pyrene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	0.23	NA	<0.066	<0.064	<0.066
2-Methylnaphthalene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	2.5	NA	<0.066	2.6	<0.066
Naphthalene	mg/kg	<0.067	NA	<0.064	<0.065	<0.066	1.2	NA	<0.066	0.84	<0.066
Phenanthrene	mg/kg	<0.067	NA	<0.064	<0.065	0.20	2.5	NA	<0.066	0.70	<0.066
Pyrene	mg/kg	<0.067	NA	<0.064	<0.065	0.13	1.9	NA	<0.066	<0.064	<0.066
Volatile Organic Compounds											
Benzene	mg/kg	<0.05	NA	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05
Ethylbenzene	mg/kg	<0.05	NA	<0.05	<0.05	<0.05	0.10	NA	<0.05	<0.05	<0.05
Methyl Tertiary Butyl Ether	mg/kg	<0.10	NA	<0.10	<0.10	<0.10	<0.10	NA	<0.10	<0.10	<0.10
Toluene	mg/kg	<0.05	NA	<0.05	<0.05	<0.05	0.16	NA	<0.05	<0.10	<0.05
1,2,4-Trimethylbenzene	mg/kg	<0.10	NA	<0.10	<0.10	0.36	0.29	NA	<0.10	0.45	<0.10
1,3,5-Trimethylbenzene	mg/kg	<0.05	NA	<0.10	<0.10	<0.10	<0.10	NA	<0.10	<0.10	<0.10
m,p-Xylene	mg/kg	<0.05	NA	<0.05	<0.05	<0.05	0.21	NA	<0.05	0.11	<0.05
o-Xylene	mg/kg	<0.05	NA	<0.05	<0.05	<0.05	0.16	NA	<0.05	<0.05	<0.05

NOTES:
NA = Not Analyzed

Table 2 (continued)
Confirmation Soil Samples
Union Pacific Itasca Yard
Superior, Wisconsin

	Sample Number:	CFS-20	CFS-21	Et-1	Et-2	Et-3
	Sample Date:	08/02/99	08/04/99	07/19/99	07/19/99	07/22/99
	Sample Depth (bgs):	3.0-3.5 ft	4.0-4.5 ft			
Compound	Units					
Petroleum Hydrocarbons						
Diesel Range Organics	mg/kg	1600	13000	5500	8500	3600
Polynuclear Aromatic Hydrocarbon						
Acenaphthylene	mg/kg	<0.066	2.9	NA	NA	NA
Acenaphthene	mg/kg	<0.066	13	NA	NA	NA
Anthracene	mg/kg	1.2	2.0	NA	NA	NA
Benzo(a)anthracene	mg/kg	1.0	<1.3	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	0.94	<1.3	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	0.31	<1.3	NA	NA	NA
Benzo(g,h,i)perylene	mg/kg	0.18	<1.3	NA	NA	NA
Benzo(a)pyrene	mg/kg	0.67	<1.3	NA	NA	NA
Chrysene	mg/kg	1.0	<1.3	NA	NA	NA
Dibenzo(a,h)anthracene	mg/kg	0.07	<1.3	NA	NA	NA
Dibenzofuran	mg/kg	<0.066	12	NA	NA	NA
Fluoranthene	mg/kg	2.6	3.2	NA	NA	NA
Fluorene	mg/kg	<0.066	19	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	0.20	<1.3	NA	NA	NA
2-Methylnaphthalene	mg/kg	47	150	NA	NA	NA
Naphthalene	mg/kg	9.5	29	NA	NA	NA
Phenanthrene	mg/kg	22	42	NA	NA	NA
Pyrene	mg/kg	3.7	3.7	NA	NA	NA
Volatile Organic Compounds						
Benzene	mg/kg	0.14	<0.50	NA	NA	NA
Ethylbenzene	mg/kg	1.8	4.1	NA	NA	NA
Methyl Tertiary Butyl Ether	mg/kg	<0.10	<1.0	NA	NA	NA
Toluene	mg/kg	0.18	<0.50	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	6.4	28	NA	NA	NA
1,3,5-Trimethylbenzene	mg/kg	2.8	11	NA	NA	NA
m,p-Xylene	mg/kg	2.2	8.3	NA	NA	NA
o-Xylene	mg/kg	0.34	<0.50	NA	NA	NA



I:/UNION PACIFIC/(95-618-4) ITASCA/CAD/SOIL GIS PACKAGE/GROUNDWATER

Burns & McDonnell SINCE 1898

Figure 5

SHALLOW GROUNDWATER CONTOUR MAP 10/10/00
UNION PACIFIC ITASCA RAILYARD
SUPERIOR, WISCONSIN

TABLE 3
Relative Groundwater Elevations
Union Pacific Railroad
Superior, Wisconsin

Well No.	Date	Relative Well Elevation (T.O.P.[1])	Depth to Product	Depth to Water (Ft.)	Relative Groundwater Elevations (Ft.)
MW-2	12/18/1995	648.60	--	2.17	646.43
	12/19/1995		--	1.96	646.64
	01/25/1996		--	3.06	645.54
	07/11/1996		--	0.03	648.57
	07/17/1996		--	0.17	648.44
	11/06/1996		--	0.25	648.35
	02/20/1997		--	dry/frozen	--
	05/28/1997		--	1.00	647.60
	09/03/1998		Well has been damaged, a measurement was not taken.		
	07/24/1999		Monitoring well has been removed during excavation and abandoned.		
MW-2A*	09/21/1999	648.68	--	1.07	647.61
	10/10/2000		Well has been damaged, measurement not taken		
MW-3	12/18/1995	649.86	--	3.15	646.71
	12/19/1995		--	3.05	646.81
	01/25/1996		--	dry	--
	07/11/1996		--	NM	--
	07/17/1996		--	0.39	649.47
	11/07/1996		Well has been damaged, a measurement was not taken.		
	02/20/1997				
	05/28/1997				
	09/03/1998				
	05/28/1997				
MW-3A*	09/21/1999	649.87		1.66	648.21
	10/10/2000		--	3.00	646.87
MW-4s	12/18/1995	648.50	--	2.22	646.28
	12/19/1995		--	2.24	646.26
	01/25/1996		--	3.00	645.50
	07/11/1996		--	0.70	647.80
	07/17/1996		--	0.04	648.46
	11/06/1996		--	0.59	647.91
	02/21/1997		--	dry/frozen	--
	05/28/1997		--	0.88	647.62
	09/03/1998		--	1.56	646.94
	09/21/1999		--	0.85	647.65
	10/10/2000		--	1.90	646.60
MW-4d	12/18/1995	648.57	--	11.68	636.89
	12/19/1995		--	14.41	634.16
	01/25/1996		--	3.76	644.81
	07/11/1996		--	6.61	641.96
	07/17/1996		--	3.81	644.76
	11/07/1996		--	NM	--
	02/21/1997		--	2.93	645.64
	05/28/1997		--	4.69	643.88
	09/03/1998		--	1.48	647.09
	09/21/1999		Unable to get access to monitoring well cover		
	10/10/2000		--	1.46	647.11

TABLE 3 Continued
Relative Groundwater Elevations
Union Pacific Railroad
Superior, Wisconsin

MW-5	12/18/1995	649.87	--	dry	--
	12/19/1995		--	dry	--
	01/25/1996		--	12.26	637.61
	07/11/1996		--	2.61	647.26
	07/17/1996		--	12.67	637.20
	11/07/1996		--	9.72	640.15
	02/20/1997		--	5.35	644.52
	05/28/1997		--	3.50	646.37
	09/03/1998		--	2.75	647.12
	07/27/1999		Monitoring well has been removed during excavation and abandoned.		
MW-12d*	09/21/1999	649.60	--	2.75	646.85
	10/10/2000		--	2.61	647.35
MW-6	12/18/1995	648.59	--	dry	--
	12/19/1995		--	dry	--
	01/25/1996		--	7.09	641.50
	07/11/1996		--	0.50	648.09
	07/17/1996		--	0.44	648.15
	11/07/1996		--	0.36	648.23
	02/20/1997		--	3.36	645.23
	05/28/1997		--	0.60	647.99
	09/03/1998		--	1.39	647.20
	09/21/1999		--	0.82	647.77
	10/10/2000		--	2.51	646.08
MW-7	12/18/1995	648.42	--	2.39	646.03
	12/19/1995		--	2.36	646.06
	01/25/1996		--	3.08	645.34
	07/11/1996		--	Above TOC	648.42
	07/17/1996		--	0.05	648.37
	11/06/1996		--	0.04	648.38
	02/20/1997		--	dry/frozen	--
	05/28/1997		--	0.80	647.62
	09/03/1998		--	1.73	646.69
	09/21/1999		--	1.01	647.41
	10/10/2000		--	2.20	646.22
MW-9	12/18/1995	649.87	--	13.49	636.38
	12/19/1995		--	14.82	635.05
	01/25/1996		--	3.66	646.21
	07/11/1996		--	1.07	648.80
	07/17/1996		--	10.00	639.87
	11/07/1996		--	1.21	648.66
	02/20/1997		--	3.68	646.19
	05/28/1997		--	1.26	648.61
	09/03/1998		--	2.23	647.64
	09/21/1999		--	1.64	648.23
	10/10/2000		--	2.58	647.29

TABLE 3 Continued
Relative Groundwater Elevations
Union Pacific Railroad
Superior, Wisconsin

MW-10s	12/18/1995	649.04	sheen	2.46	646.58
	12/19/1995		sheen	2.49	646.55
	01/25/1996		--	2.98	646.06
	07/11/1996		sheen	0.94	648.10
	07/17/1996		sheen	0.42	648.63
	11/06/1996		--	1.53	647.51
	02/20/1997		--	dry/frozen	--
	05/28/1997		--	1.52	647.52
	09/03/1998		--	2.00	647.04
	07/19/1999		Monitoring well has been removed during excavation and abandoned.		
MW-10d	12/18/1995	649.04	--	13.91	635.13
	12/19/1995		--	15.53	633.51
	01/25/1996		--	5.63	643.41
	07/11/1996		--	0.98	648.06
	07/17/1996		--	8.41	640.63
	11/07/1996		--	2.22	646.82
	02/20/1997		--	3.16	645.88
	05/28/1997		--	1.54	647.50
	09/03/1998		--	1.80	647.24
	07/19/1999		Monitoring well has been removed during excavation and abandoned.		
MW-11s*	09/21/1999	650.09	sheen	2.70	647.39
	10/10/2000		--	3.60	646.49
MW-11d*	09/21/1999	650.30	sheen	6.58	643.72
	10/10/2000		--	6.75	643.55
MW-12s*	09/21/1999	649.89	--	2.82	647.07
	10/10/2000		--	2.00	647.89

[1]T.O.P. = Top of pipe

Ft = Feet

NM= Not Measured

NA= Not Available

* = New monitoring well was installed.

UNION PACIFIC RAILROAD COMPANY

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January 07, 2003

To Whom It May Concern:

The attached is a legal description of an area of the Union Pacific Railroad Itasca Yard near Superior, Wisconsin. The described area has undergone an environmental remediation. I believe the legal description, as changed, to be accurate and complete.

Sincerely,

Edwin H. Honig, P.E.
Manager of Site Remediation
Union Pacific Railroad